**T SCAN – THE OCCLUSAL ANALYSIS SYSTEM**

**ABSTRACT :**

One of the recent advances in dentistry is T-scan which is a digital occlusal analysis system consisting of patented sensor USB based handle and proprietors software revealing the levels and tuning of force on individual teeth and the stability of the patients bite and determines important parameters like force and timing. The T-Scan III is used for implant placement in Periodontics and Prosthodontics , occlusal disturbances , temporomandibular disorders , endodontics , orthodontics , patient treatment, occlusal diagnosis. The T-Scan System is used to analyze relative occlusal force recorded intraorally by a pressure-mapping sensor which is then stored on a hard drive and can be played back incrementally for data analysis in a time-based dynamic video. It acts as useful occlusal mapping device to record the pattern of occlusion. Determining correct occlusion is a challenging task and hence T-Scan has been widely used in dentistry nowadays and claims to correct the occlusion. T-Scan technology helps in assessing treatment outcomes. It provides detailed information about a patient’s occlusion. T-Scan system has demonstrated sufficient sensitivity and specificity as a diagnostic tool and also presented higher reliability in intra-oral conditions in the presence of saliva.